

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 12 (canceled).

Claim 13 (currently amended): A transceiver assembly, comprising:

a transmitter for sending a transmission signal;

a receiver for receiving a reflection signal formed by a reflection of the transmission signal;

said receiver including a receiving oscillator ~~with a transient response~~
being periodically switched on and off and having an oscillation start up time
when switched on, said oscillation start up time influenced by the reflection signal;

~~said receiving oscillator providing an output signal having an average power; and~~

~~said receiver including a filter and a detector configured to measure the average power of said receiving oscillator.~~

Claim 14 (previously presented): The assembly according to claim 13, wherein at least one of a build-up time and an average delivered power of said receiving oscillator is influenced by the reflection signal.

Claim 15 (canceled).

Claim 16 (previously presented): The assembly according to claim 13, which further comprises means for switching said receiving oscillator on and off.

Claim 17 (previously presented): The assembly according to claim 16, wherein said means is configured to switch said receiving oscillator periodically following a clock rate.

Claim 18 (previously presented): The assembly according to claim 13, wherein said receiving oscillator is also a transmitting oscillator for generating the transmission signal.

Claim 19 (previously presented): The assembly according to claim 13, which further comprises a transmitting oscillator for generating the transmission signal.

Claim 20 (previously presented): The assembly according to claim 13, wherein said detector includes a mixer configured to add together a first measurement sub-signal and a second measurement sub-signal.

Claim 21 (previously presented): The assembly according to claim 13, wherein said detector includes a mixer with two diodes connected with a same polarity, and wherein a measurement signal is formed by a sum of two measurement sub-signals.

Claim 22 (previously presented): The assembly according to claim 13, wherein said detector includes a mixer with two diodes connected with opposite polarity, and wherein a measurement signal is formed by a difference between two measurement sub-signals.

Claim 23 (currently amended): A distance-measurement assembly, comprising:

a transmitter for sending a transmission signal towards a target;

a receiver for receiving a reflection signal formed by a reflection of the transmission signal at the target;

said receiver including a receiving oscillator ~~with a transient response being periodically switched on and off and having an oscillation start up time when switched on, said oscillation start up time~~ influenced by the reflection signal;

~~said receiving oscillator providing an output signal having an average power; and~~

~~said receiver including a filter and a detector configured to measure the average power of said receiving oscillator.~~

Claim 24 (previously presented): The assembly according to claim 23, wherein said transmitter is a radar transmitter.

Claim 25 (previously presented): The assembly according to claim 23, wherein said transmitter is a pulsed radar transmitter.

Claim 26 (previously presented): The assembly according to claim 23, wherein said detector includes a mixer configured to add together a first measurement sub-signal and a second measurement sub-signal.

Claim 27 (previously presented): The assembly according to claim 23, wherein said detector includes a mixer with two diodes connected with a same polarity, and wherein a measurement signal is formed by a sum of two measurement sub-signals.

Claim 28 (previously presented): The assembly according to claim 23, wherein said detector includes a mixer with two diodes connected with opposite polarity, and wherein a measurement signal is formed by a difference between two measurement sub-signals.

Claim 29 (previously presented): In combination with a motor vehicle, the assembly according to claim 23.

Claim 30 (previously presented): In combination with a building, the assembly according to claim 13.

Claim 31 (previously presented): In combination with an industrial plant, the assembly according to claim 13.

Claim 32 (currently amended): A measurement method, which comprises:
generating and transmitting a transmission signal with a transmitter;
receiving a reflection of the transmitted signal with a receiver having a receiving oscillator being periodically switched on and off;
influencing ~~a transient response~~ an oscillation start up time of the receiving oscillator with the reflection of the transmitted signal; and
measuring an output power of the receiving oscillator.

Claim 33 (previously presented): The measurement method according to claim 32, which comprises measuring a distance to a target.

Claim 34 (new): The assembly according to claim 13, wherein said receiver includes a detector, said receiving oscillator provides an output signal to said detector, and said detector measures an average power output of said receiving oscillator.